

Abstract

A portable data storage device includes a biometrics recognising apparatus which comprises a biometric sensor and a biometrics processing engine. The storage device further includes a memory storage facility, a micro controller and a communications interface to enable the storage device to communicate with a host computer, an access control unit, a bioparameters storage unit, a combination encryption key generation means, a device code generation means, a bioencryption engine for encryption and decryption and a data processing unit.